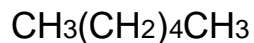
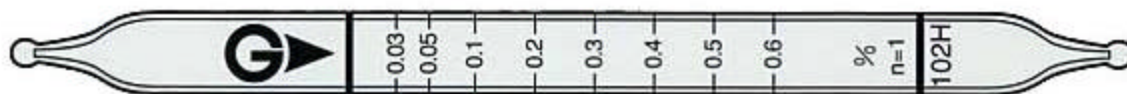


Hexane**NO.102H****Performance**

Measuring Range	0.015 to 0.03%	0.03 to 0.6%	0.6 to 1.2%
Number of Pump Strokes	2	1	1/2
Correction Factor	1/2	1	2
Sampling Time	1 minute per pump stroke		
Detecting Limit	0.003% (n = 2)		
Color Change	Orange → Dark green		
Reaction Principle	Gasoline reduces potassium dichromate to form chromic sulfate, which is dark green in color $\text{CH}_3(\text{CH}_2)_4\text{CH}_3 + \text{Cr}^{6+} + \text{H}_2\text{SO}_4 \longrightarrow \text{Cr}^{3+}$		
Coefficient of Variation	10% (for 0.03 to 0.2 %), 5% (for 0.2 to 0.6 %)		
Shelf Life	3 Years		
Corrections for temperature & humidity	Unnecessary		
Store the tubes at cool and dark place.			

Possible coexisting substances and their interferences (NOTE)

Substance	Concentration	Interference	Change color by itself
Acetylene	3%	-	Produce dark green to whole layer
Propane	0.2%	-	Produce dark green to whole layer
Aromatic HCs	500 ppm	Plus error	Produce dark green
Alcohols, Esters, Ethers	-	Plus error	Produce dark green
Halogenated HCs.	5000 ppm	Plus error	Produce dark green
Hydrogen sulfide	500 ppm	Plus error	Produce dark green
Sulfur dioxide	500 ppm	Plus error	Produce green

Other substance measurable with this detector tube

Substance	Correction	No. of Pump Strokes	Measuring Range
CycloHexane	Factor: 1.0	1/2, 1 or 2	0.015 to 1.2%
Methylcyclohexane	Factor: 1.4	1	0.04 to 0.84%

Calibration gas generation Static gas dilution method

TLVtoTWA	TLVtoSTEL	Explosive range
50ppm	-	1.1 to 7.5%



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